

The role of the new SBR in the UK statistical production process

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Redevelopment expands role

- ONS is introducing new IT infrastructure
- Includes a new Business Register
- The new register system is being designed to enable a wider role
- This presentation is an update on our progress

New technical environment

Old

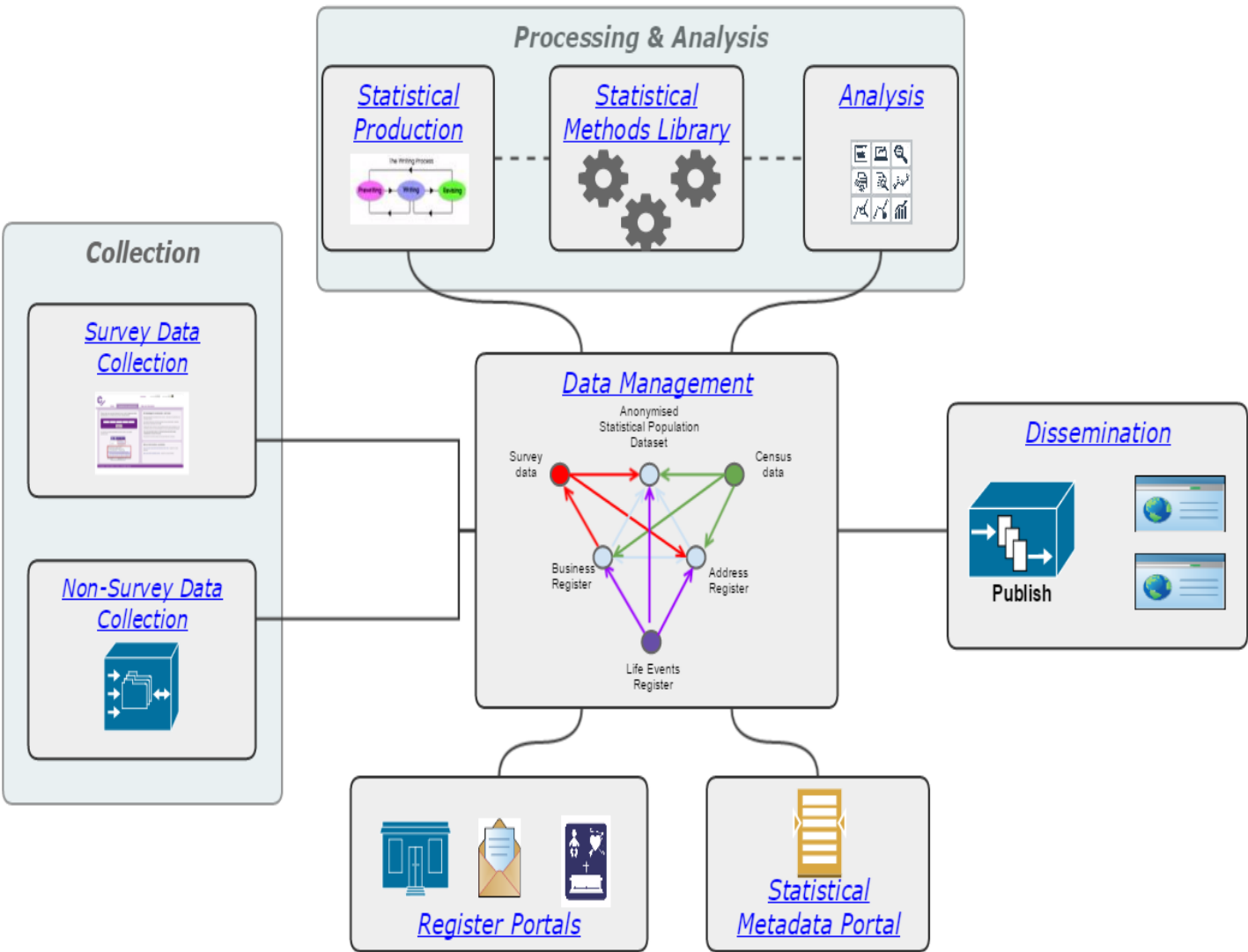
- Register based on 1990's technology
- Self contained database, with bespoke processes

New

- Service based.
- Cloudera environment
- Common platforms

Enterprise Architecture

Enterprise Architecture Overview



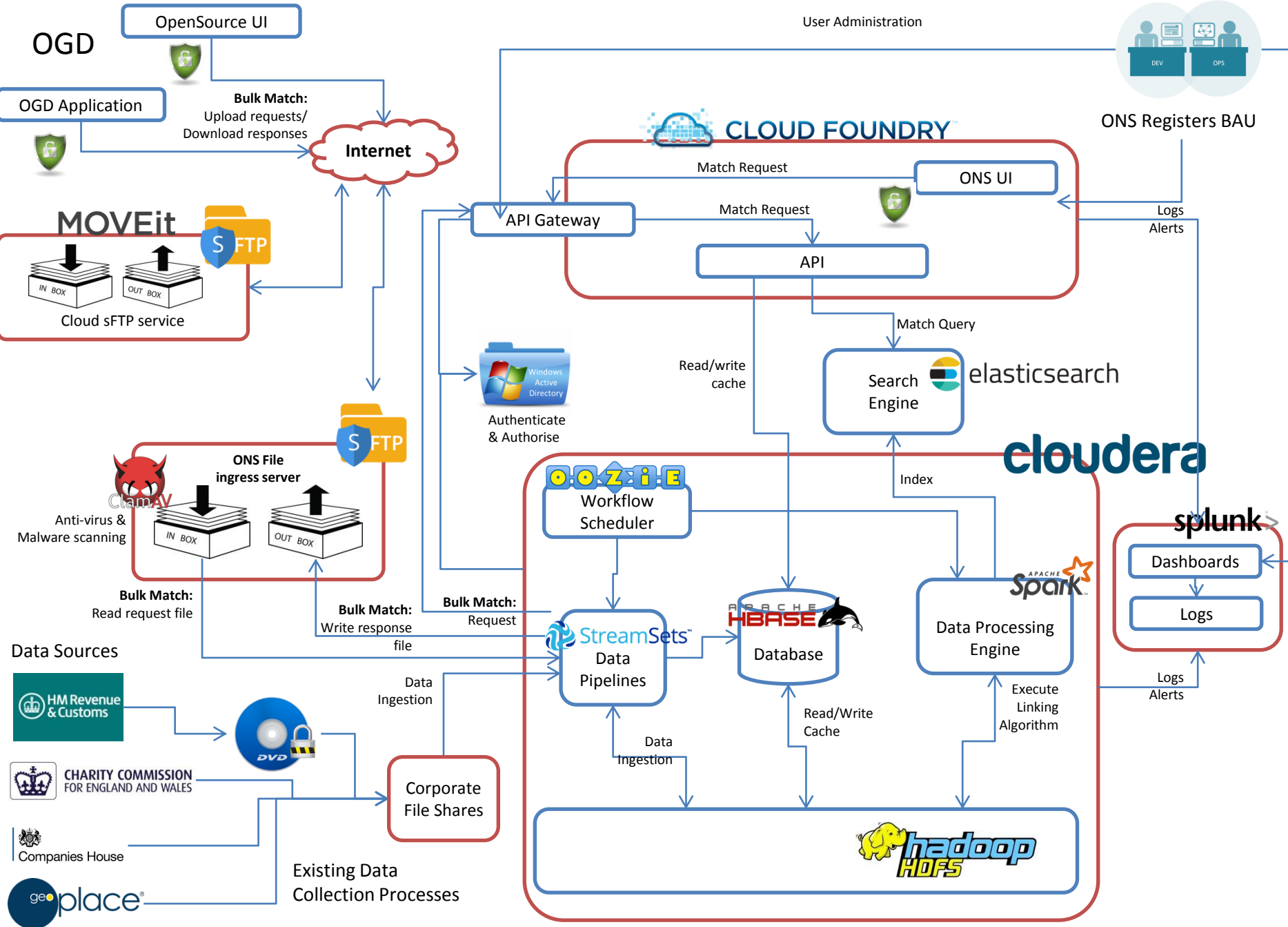
Register Roles

- Business Index – a legal unit view of the business
- Statistical Business Register function
- Economic analysis function
- Spine function

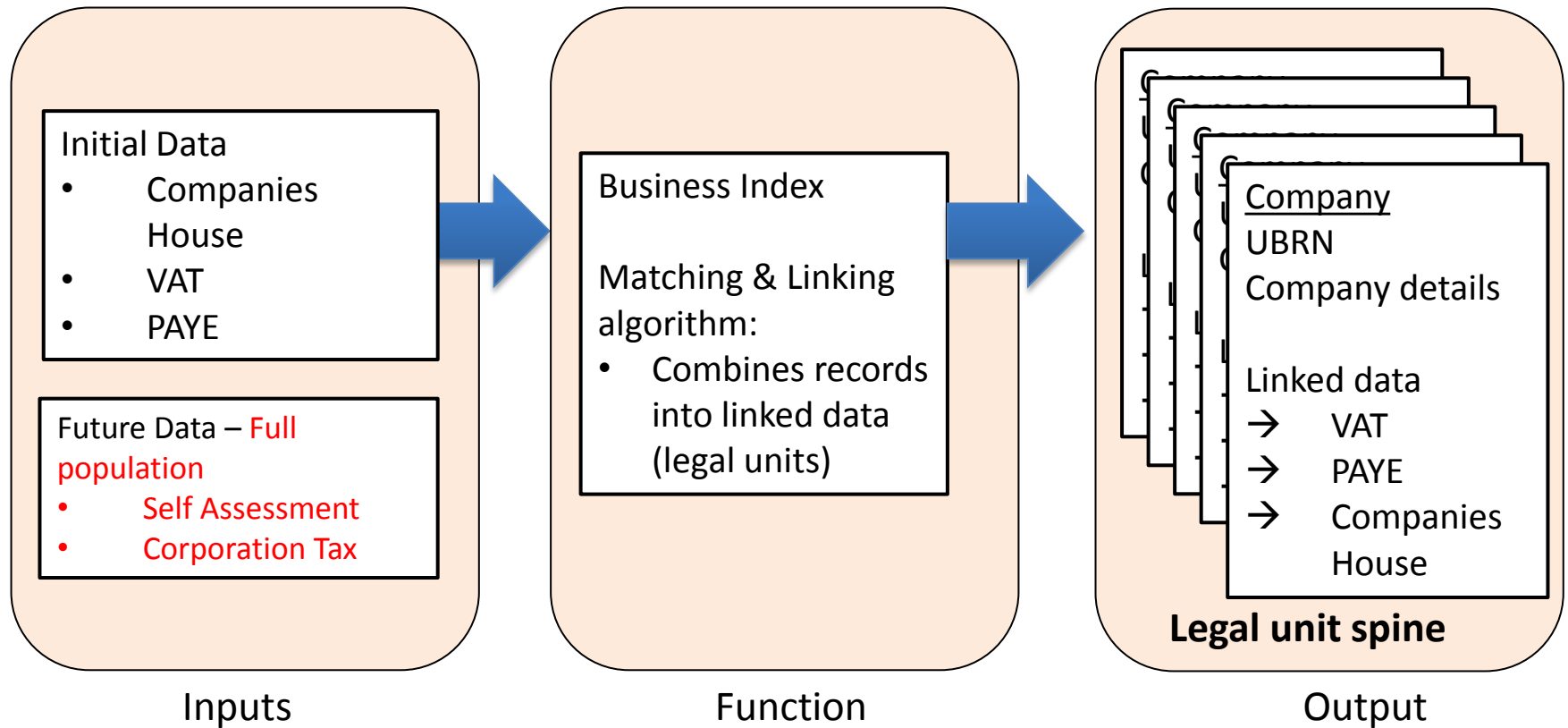
Business Index

- Legal unit view of the business population -
different to the SBR economic view.
- Built by matching administrative records –
new data science approach
- Simple 8 variable view
- Provides identification, matching and analysis service

Registers (BI) Private Beta : The Technology



BI: Overview



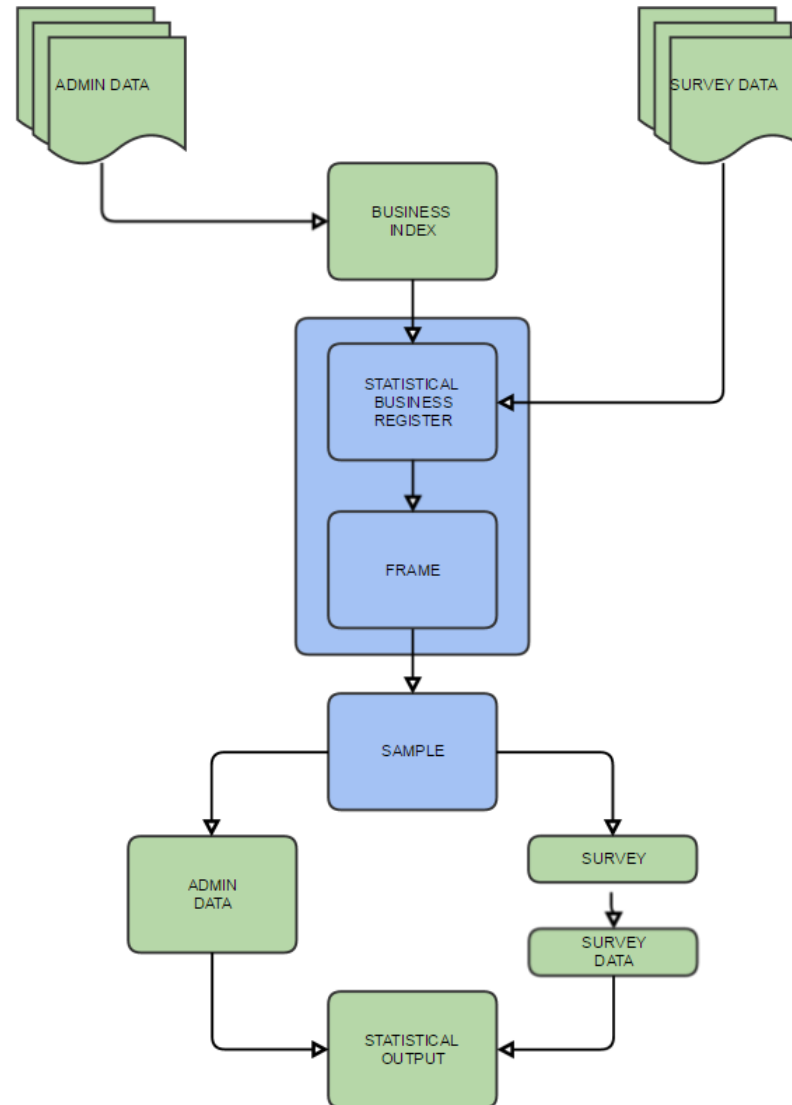
New SBR

- Replace 20 year old system based on obsolete technology- Cannot develop further
- Using new Service based approach
- Part of a wider ONS programme to update IT, transform surveys and capability
- First time - Capture full business population

SBR core function

- Creating statistical units
- Creating sampling frames
- Enabling mixed mode data acquisition:
- Partitioning frame into 2 : survey and admin data subsets.
- Includes sampling function

What is the SBR?



Economic Analysis

- Using latest administrative data.
 - Variables up to date.
 - Good Time stamping.
 - Good Meta Data
-
- Will enable **meaningful** analysis of the business population

Business Spine

- New IT infrastructure - all data in a central platform.
- SBR links several business datasets. These can then be linked to other data such as address and people.
- Will enable better use of admin data to replace surveys
- Will enable new data analyses to be produced

Progress to date

- Business Index - live trial service from April
- SBR - just finished Alpha. Aim for Minimum Viable Product by March 2018 for Short Term Survey transformation
- New data sources being negotiated.
- Watch this space!